

MONTANA HIGHWAY DEPARTMENT  
PLANNING SURVEY  
REPEAT LOADOMETER SURVEY

1949

October 1949

Montana State Library



3 0864 1006 4239 9

R E P E A T   L O A D O M E T E R   S U R V E Y  
C O N D U C T E D   B Y   T H E  
M O N T A N A   H I G H W A Y   D E P A R T M E N T  
H I G H W A Y   P L A N N I N G   S U R V E Y  
I N   C O O P E R A T I O N   W I T H  
T H E  
U. S. D E P A R T M E N T   O F   C O M M E R C E  
B U R E A U   O F   P U B L I C   R O A D S

Survey Conducted August, 1949

Report Submitted October, 1949

## MONTANA'S 1949 LOADOMETER SURVEY

Montana conducted an annual truck weighing survey during the month of August, to determine loading trends, for the eighth consecutive year since its inception in 1942.

Nineteen weighing stations strategically located on primary highways were operated on the same days of the week and during the same hours as in past years. The loadometer pit at Station 58 near Glasgow, was removed in 1948, due to road construction and was not back in operation again this year.

The 1949 Tables W-3 through W-6 have been revised to conform with the instructions received in Mr. Fairbank's memorandum of May 27, 1949, and the 1948 data have been reworked to obtain a direct comparison for the two years.

In order to avoid inconveniencing the drivers as much as possible and to speed up the weighing operations, the license numbers of all Montana trucks weighing over 26,000 pounds were recorded on the field sheets. Later the files of the Registrar of Motor Vehicles were searched for these license numbers and the required data for Table W-6 concerning the Owner, Make, Year and Model Number were obtained from the registration cards. Similar information on foreign trucks had to be collected by the field party when each vehicle was weighed.

It will be noted that there has been a considerable increase in both the number and the average weights of all trucks and combinations with a rated capacity of  $1\frac{1}{2}$  tons or more during the past year. This can be accounted for to some extent by the increased activity in the petroleum industry during 1949.

LOCATION AND TIME OF OPERATION OF EACH LOADOMETER STATION, SHOWING NUMBER OF VEHICLES COUNTED AND

WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM AUGUST 3 TO SEPT. 1, 1949 COMPARED TO CORRESPONDING DATA FOR 1948

STATION NO.	ROUTE NO.	DESCRIPTION OF STATION LOCATION	YEAR	MONTH & DAY	DAY OF WEEK	HOURS	VEHICLES COUNTED										TRUCKS & COMBINATIONS WEIGHED														
							PASS. CARS		SINGLE UNIT TRUCKS				TRACTOR SEMI-TR			OTHER COMBINATIONS				SINGLE UNITS		TRACTOR SEMI-TR			OTHER COMBINATIONS						
							LOCAL	FOREIGN	BUSES	PANEL & PICK-UP	OTHER	4-TIRED	OTHER	6-TIRED	3-AXLE	4-AXLE	5-AXLE OR MORE	4-AXLE OR LESS	5-AXLE OR MORE	6-AXLE OR MORE	PANEL & PICK-UP	OTHER	4-TIRED	OTHER	6-TIRED	3-AXLE	4-AXLE	5-AXLE OR MORE	4-AXLE OR LESS	5-AXLE OR MORE	6-AXLE OR MORE
7	US 10 93	Southeast Leg of Jct. US 10 & 93 West of Missoula	1949	8-5 Fri	2P-10P	496	711	9	104	7	47	8	8	5	9	-	-	10	3	6	34	8	8	5	9	-	1	3	5		
			1948	8-6 Fri	2P-10P	523	668	15	102	4	64	8	7	2	9	1	3	5	55	4	64	8	7	2	7	1	3	5			
9	US 10	West Leg of Jct. US 10 & 10A in Drummond	1949	9-1 Thur	6A-2P	262	465	.6	25	4	47	6	6	10	3	3	8	11	18	2	47	6	5	10	3	3	8	11			
			1948	8-5 Thur	6A-2P	341	640	7	82	4	67	5	9	4	4	2	-	3	35	4	49	5	9	4	4	2	-	3			
11	US 10 91	East Leg of Jct. US 10 & 91 West of Butte	1949	8-9 Tues	6A-2P	685	542	14	136	15	82	6	13	1	8	2	-	2	68	3	78	3	12	1	8	1	-	2			
			1948	8-10 Tues	6A-2P	660	612	15	118	6	85	2	5	3	3	-	1	3	99	6	79	2	5	3	3	-	1	3			
13	US 91	South Leg of Jct. US 91 & Mont. 41 North of Dillon	1949	8-8 Mon	2P-10P	287	136	3	70	6	19	1	1	2	1	-	2	2	70	6	19	1	1	2	1	-	2	2			
			1948	8-9 Mon	2P-10P	434	173	3	119	4	36	1	2	2	3	-	3	-	92	4	31	1	2	2	3	-	3				
17	US 10S	West Leg of Jct. US 10S & Mont. 41 West of Whitehall	1949	8-10 Wed	2P-10P	269	422	1	41	4	28	3	6	4	10	1	-	1	41	4	28	3	6	4	10	1	-	1			
			1948	8-11 Wed	2P-10P	252	386	4	54	4	20	3	4	1	6	1	-	2	45	4	19	3	4	1	6	1	-	2			
30	US 12 & 310	North Leg of Jct. US 12 & 310 near Rockvale	1949	8-17 Wed	6A-2P	286	352	6	52	4	79	2	11	11	3	12	1	2	28	-	78	2	10	11	3	12	1	1			
			1948	8-18 Wed	6A-2P	348	378	5	54	2	60	-	12	3	3	6	1	-	48	-	50	-	12	3	3	6	1	-			
36	US 89 & 91	On US 89 & 91 Approx. 1.1 miles West of Great Falls	1949	8-26 Fri	6A-2P	455	240	4	112	9	143	16	5	8	5	8	6	4	112	5	142	16	5	8	5	8	5	4			
			1948	8-27 Fri	6A-2P	555	251	6	66	1	65	10	6	3	4	3	2	1	49	-	65	8	6	3	4	3	2	1			
41	US 10	Southwest Leg of Jct. US 10 & 12 East of Miles City	1949	8-19 Thur	6A-2P	317	367	3	76	7	48	4	7	5	2	12	4	2	74	1	40	4	6	5	2	11	4	2			
			1948	8-19 Thur	6A-2P	247	308	9	70	4	39	-	6	3	1	12	3	4	59	1	34	-	6	2	1	12	3	4			
43	US 10 Mont 18	East Leg of Jct. US 10 & Mont. 18 West of Glendive	1949	8-19 Fri	2P-10P	444	265	1	69	9	60	2	5	9	4	4	2	9	59	4	54	2	5	9	4	4	2	9			
			1948	8-20 Fri	2P-10P	352	309	5	70	2	57	1	2	7	2	3	2	3	57	2	50	1	1	7	2	3	2	3			

LOCATION AND TIME OF OPERATION OF EACH LOADOMETER STATION, SHOWING NUMBER OF VEHICLES COUNTED AND

WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM AUGUST 3 TO SEPT. 1, 1949 COMPARED TO CORRESPONDING DATA FOR 1948

STATION NO.	ROUTE NO.	DESCRIPTION OF STATION LOCATION	YEAR	MONTH & DAY	DAY OF WEEK	HOURS	VEHICLES COUNTED												TRUCKS & COMBINATIONS WEIGHED												
							PASS. CARS			SINGLE UNIT TRUCKS			TRACTOR SEMI-TR			OTHER COMBINATIONS			SINGLE UNITS			TRACTOR SEMI-TR			OTHER COMBINATIONS						
							LOCAL	FOREIGN	BUSES	PANEL & PICK-UP	OTHER	4-TIRED	OTHER	6-TIRED	3-AXLE	4-AXLE	5-AXLE OR MORE	6-AXLE OR LESS	7-AXLE	8-AXLE OR MORE	PANEL & PICK-UP	OTHER	4-TIRED	OTHER	6-TIRED	3-AXLE	4-AXLE	5-AXLE OR MORE	6-AXLE OR LESS	7-AXLE	8-AXLE OR MORE
45	US 2	East Leg of US 2 & Mont. 16 at Culbertson	1949	8-22	Mon	6A-2P	85	195	3	43	1	35	-	5	5	0	1	-	-	39	-	35	-	5	5	0	1	-	-	-	-
			1948	8-23	Mon	6A-2P	138	223	1	52	-	42	1	5	3	-	-	-	-	51	-	41	1	5	3	-	-	-	-	-	-
50	US 87	On US 87 Approx. 4.0 Miles North of Great Falls	1949	8-30	Wed	6A-2P	326	88	2	58	7	62	1	4	4	5	2	2	2	-	57	7	62	1	4	4	5	2	2	-	-
			1948	8-31	Tues	6A-2P	225	75	1	55	4	65	-	1	3	2	-	-	-	44	2	62	-	1	3	2	-	-	-	-	-
51	US 87 & 89	East Leg of Jct. US 87 & 89 & 10th Ave. South near Great Falls	1949	8-29	Mon	6A-2P	435	177	3	71	10	77	2	4	4	2	2	2	4	-	71	10	76	1	4	4	2	2	4	-	-
			1948	8-30	Mon	6A-2P	573	136	4	74	2	41	1	6	4	-	2	1	2	60	-	37	1	6	4	-	2	1	2	-	-
53	US 87	South Leg of US 87 & Mont. 18 near Grass Range	1949	8-15	Mon	2P-10P	135	85	3	23	4	43	-	2	-	2	5	2	2	21	4	43	-	2	-	2	5	2	2	-	-
			1948	8-16	Mon	2P-10P	143	74	3	26	3	43	1	3	2	1	1	-	1	21	2	42	1	3	2	1	1	-	1	-	-
54	US 10	On US 10 & 87 Approx. 0.5 Miles North of Billings	1949	8-12	Fri	2P-10P	714	389	3	99	9	81	2	12	15	7	33	15	3	16	4	61	2	12	15	7	29	11	3	-	-
			1948	8-13	Fri	2P-10P	638	377	6	87		90	4	6	6	4	22	9	1	83	-	85	4	6	6	4	22	9	1	-	-
55	US 10 & 91	West Leg of Jct. US 10 & 91 East of Helena	1949	8-3	Wed	6A-2P	819	411	25	159	14	59	3	8	4	7	-	5	4	82	2	53	3	8	4	7	-	5	2	-	-
			1948	8-4	Wed	6A-2P	664	288	18	110	9	93	7	6	2	3	2	-	2	91	4	89	7	6	2	2	2	-	2	-	-
56	US 10	West Leg of Jct. US 10 & 89 West of Livingstone	1949	8-11	Thur	2P-10P	251	281	-	50	0	32	2	7	8	6	3	5	2	49	-	32	2	7	8	6	3	5	2	-	-
			1948	8-12	Thur	2P-10P	279	327	6	32	-	34	1	6	4	2	3	2	2	24	-	32	1	6	4	2	3	2	2	-	-
57	US 10	On US 10 West of Laurel	1949	8-16	Tues	2P-10P	546	302	1	66	7	55	-	23	14	8	6	8	6	18	6	40	-	21	14	8	6	8	6	-	-
			1948	8-17	Tues	2P-10P	437	270	5	60	-	43	1	8	7	5	8	4	3	57	-	42	1	8	6	5	8	4	3	-	-
58	US 2	On US 2 West of Glasgow	1949																												
			1948																												

Not weighed road under construction  
Not weighed road under construction

TABLE W-1

STATE OF MONTANA

LOCATION AND TIME OF OPERATION OF EACH LOADOMETER STATION, SHOWING NUMBER OF VEHICLES COUNTED AND

WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM AUGUST 3 TO SEPTEMBER 1, 1949 COMPARED TO CORRESPONDING DATA FOR 1948.

STATION NO.	ROUTE NO.	DESCRIPTION OF STATION LOCATION	YEAR	MONTH & DAY	DAY OF WEEK	HOURS	VEHICLES COUNTED										TRUCKS & COMBINATIONS WEIGHED												
							PASS. CARS		LOCAL	FOREIGN	BUSES	PANEL & PICK-UP	SINGLE UNIT TRUCKS	TRACTOR SEMI-TR	OTHER COMBINATIONS	SINGLE UNITS	TRACTOR SEMI-TR	OTHER COMBINATIONS											
59	US 2	On US 2 West of Havre	1949	8-24	Wed	6A-2P	246	229	3	59	5	56	-	3-AXLE	3-AXLE	51	1	52	-	8	-	1	1	1	2				
			1948	8-25	Wed	6A-2P	363	192	1	77	1	37	1	1	3	1	-	30	1	1	3	1	-	1	2				
60	US 2	On US 2 West of Shelby	1949	8-25	Thur	6A-2P	148	192	2	44	2	39	2	7	5	1	1	3	1	40	2	24	2	7	3	1			
			1948	8-26	Thur	6A-2P	272	176	6	99	5	60	5	5	4	1	2	7	-	39	-	24	5	5	4	1			
TOTAL OF 19 STATIONS							1949		7206	5849	92	1357	1241092	60	142	114	84	96	67	61	877	67	998	56	136	112	84		
							1948		7444	5863	120	1407	55	1041	52	100	66	54	68	39	34	1075	33	925	50	99	64	51	

## STATE OF MONTANA

NUMBER AND PERCENTAGE OF VEHICLES OF EACH TYPE COUNTED AT 19 LOADOMETER STATIONS DURING THE  
PERIOD FROM AUGUST 3 TO SEPTEMBER 1, 1949 COMPARED TO CORRESPONDING DATA FOR 1948.

TYPE OF VEHICLE	NUMBER COUNTED DURING PERIOD			PERCENTAGE OF TOTAL NUMBER OF VEHICLES			PERCENTAGE OF TOTAL NUMBER OF TRUCKS AND COMBINATIONS			TRUCKS AND COMBINATIONS WEIGHED		PERCENTAGE WEIGHED OF TOTAL COUNTED BY TYPE	
	1949	1948	1949/1948	1949	1948	1949/1948	1949	1948	1949/1948	1949	1948	1949	1948
PASSENGER CARS													
LOCAL	7206	7444	0.9680	44.09	45.55	0.968	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
FOREIGN	5849	5863	0.9976	35.79	35.87	0.998	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
SUBTOTAL PASSENGER CARS	13055	13307	0.9811	79.88	81.42	0.981	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TRUCKS, SINGLE-UNIT													
PANEL AND PICKUP(UNDER 1½ TONS)	1357	1407	0.9645	8.30	8.61	0.964	42.45	48.25	0.880	877	1075	64.62	76.40
OTHER 2 AXLE, 4-TIRED	124	55	2.2545	0.76	0.34	2.235	3.88	1.89	2.053	67	33	54.03	60.00
OTHER 2 AXLE, 6-TIRED	1092	1041	1.0490	6.68	6.37	1.049	34.16	35.70	0.957	998	925	91.39	88.86
3 AXLE	60	52	1.1538	0.37	0.32	1.156	1.87	1.78	1.056	56	50	93.33	96.15
SUBTOTAL SINGLE-UNIT	2633	2555	1.0305	16.11	15.64	1.030	82.36	87.62	0.940	1998	2083	75.88	81.53
TRACTOR-SEMITRAILER COMBINATIONS													
3 AXLE	142	100	1.4200	0.87	0.61	1.426	4.64	3.43	1.294	136	99	95.77	99.00
4 AXLE	114	66	1.7273	0.70	0.41	1.707	3.56	2.26	1.575	112	64	98.25	96.97
5 AXLE OR MORE	84	54	1.5555	0.51	0.33	1.545	2.63	1.85	1.422	84	51	100.00	94.44
SUBTOTAL TRACTOR-SEMITRAILER COMBINATIONS INVOLVING FULL TRAILERS	3402	220	1.5455	2.08	1.35	1.541	10.63	7.54	1.410	332	214	97.65	97.27
4 AXLE-(1)	96	68	1.4118	0.59	0.41	1.439	3.00	2.33	1.288	90	68	93.75	100.00
5 AXLE	67	39	1.7179	0.41	0.24	1.708	2.10	1.34	1.567	62	39	92.54	100.00
6 AXLE OR MORE	61	34	1.7941	0.37	0.21	1.762	1.91	1.17	1.632	58	34	95.08	100.00
SUBTOTAL TRUCK-TRAILER COMBINATIONS	224	141	1.5887	1.37	0.86	1.593	7.01	4.84	1.448	210	141	93.75	100.00
SUBTOTAL ALL COMBINATIONS	564	361	1.5623	3.45	2.21	1.561	17.64	12.38	1.425	542	355	96.09	98.34
SUBTOTAL TRUCKS AND COMBINA-	3197	2916	1.0964	19.56	17.85	1.096	100.00	100.00	1.000	2540	2438	79.45	83.61
BUSES	92	120	0.7666	0.56	0.73	0.767	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
TOTAL VEHICLES	16344	16343	1.0001	100.00	100.00	1.000	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -

(1) MAY INCLUDE COMBINATIONS OF TRUCK AND ONE-AXLE FULL TRAILER.

NUMBER OF LOADED AND EMPTY VEHICLES COUNTED, AVERAGE TOTAL WEIGHTS, AND AVERAGE EMPTY WEIGHTS OF TRUCKS AND COMBINATIONS OF EACH TYPE AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949  
COMPARED TO CORRESPONDING DATA FOR 1948.

VEHICLE TYPE AND SURVEY YEAR	LOADED & EMPTY VEHICLES		LOADED VEHICLES		EMPTY VEHICLES			
	NUMBER COUNTED	AVERAGE TOTAL WEIGHT	PERCENT OF TOTAL LOADED AND EMPTY OF EACH TYPE	ESTIMATED NO LOADED	AVERAGE LOADED WEIGHT	PERCENT OF TOTAL LOADED AND EMPTY OF EACH TYPE	ESTIMATED NO EMPTY	AVERAGE EMPTY WEIGHT
SINGLE-UNIT TRUCKS, (UNDER 1½ TONS CAPACITY)								
YEAR 1949	1357	4286	25.54	347	5189	74.46	1010	3977
YEAR 1948	1107	3468	10.42	147	4734	89.58	1260	3321
SINGLE-UNIT TRUCKS, OTHER 2 AXLE, 4-TIRED								
YEAR 1949	124	5772	44.78	56	6667	55.22	68	5046
YEAR 1948	55	5624	51.52	28	6853	48.48	27	4319
SINGLE-UNIT TRUCKS, OTHER 2 AXLE, 6-TIRED								
YEAR 1949	1092	11076	54.31	593	13925	45.69	499	7689
YEAR 1948	1041	9892	54.56	568	13222	45.44	473	5909
SINGLE-UNIT TRUCK, 3 AXLE								
YEAR 1949	60	21300	55.36	33	28223	44.64	27	12716
YEAR 1948	52	19324	58.70	31	24296	41.30	21	12258
SUBTOTAL, SINGLE-UNIT TRUCKS								
YEAR 1949	2633	7560	39.08	1029	11043	60.92	1604	5324
YEAR 1948	2555	6454	30.29	774	11823	69.71	1781	4129
TRACTOR-SEMITRAILER, 3 AXLE								
YEAR 1949	142	24241	61.31	87	29249	38.69	55	16152
YEAR 1948	100	21357	55.56	56	27980	44.44	44	13077
TRACTOR-SEMITRAILER, 4 AXLE								
YEAR 1949	114	38007	65.76	75	46001	34.24	39	23044
YEAR 1948	66	32811	70.77	47	39480	29.23	19	16663
TRACTOR-SEMITRAILER, 5 AXLE OR MORE								
YEAR 1949	84	43662	70.24	59	48795	29.76	25	31548
YEAR 1948	54	42438	70.00	38	51471	30.00	16	28027
SUBTOTAL, TRACTOR-SEMITRAILER COMBINATIONS								
YEAR 1949	340	33655	65.00	221	40152	35.00	119	21645
YEAR 1948	220	29968	64.09	141	38144	35.91	79	16967

(CONTINUED ON PAGE 2)

NUMBER OF LOADED AND EMPTY VEHICLES COUNTED AVERAGE TOTAL WEIGHTS, AND AVERAGE EMPTY WEIGHTS OF TRUCKS AND COMBINATIONS OF EACH TYPE AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949 COMPARED TO CORRESPONDING DATA FOR 1948.

## STATE OF MONTANA

AVERAGE LOADED WEIGHT AND AVERAGE EMPTY WEIGHT OF EACH TYPE OF PRIVATELY OPERATED TRUCK AND TRUCK COMBINATIONS AT  
19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

VEHICLE TYPES	LOADED AND EMPTY VEHICLES COUNTED			LOADED VEHICLES			EMPTY VEHICLES		
	TOTAL ALL COUNTED (PRIVATE AND FOR-HIRE)	PERCENTAGE PRIVATE EACH TYPE	ESTIMATED NUMBER PRIVATE	PERCENTAGE OF TOTAL LOADED AND EMPTY EACH TYPE	ESTIMATED NUMBER EACH TYPE	AVERAGE LOADED WEIGHT	PERCENTAGE OF TOTAL LOADED AND EMPTY EACH TYPE	ESTIMATED NUMBER EACH TYPE	AVERAGE EMPTY WEIGHT
TRUCKS, SINGLE-UNITS						lbs.			lbs.
PANEL AND PICKUP (UNDER 1½TONS)	1357	100.00	1357	25.54	347	5189	74.46	1010	3977
OTHER 2-AXLE, 4-TIRED	124	100.00	124	44.78	56	6667	55.22	68	5046
OTHER 2-AXLE, 6-TIRED	1092	99.70	1089	54.27	591	13911	45.73	498	7676
3-AXLE	60	89.29	54	52.00	28	27338	48.00	26	12192
SUBTOTAL SINGLE-UNITS	2633	99.66	2624	38.95	1022	10920	61.05	1602	5306
TRACTOR SEMITRAILER COMBINATIONS									
3-AXLE	112	81.62	116	53.15	62	28969	46.85	54	16152
4-AXLE	114	68.75	78	59.74	47	46433	40.26	31	22997
5-AXLE OR MORE	84	29.76	25	52.00	13	51485	48.00	12	32792
SUBTOTAL TRACTOR SEMITRAILER COMBINATIONS	340	64.41	219	55.71	122	38096	44.29	97	20398
COMBINATIONS INVOLVING FULL TRAILERS									
4-AXLE OR LESS	96	38.89	37	28.57	11	37140	71.43	26	22452
5-AXLE	67	12.90	9	50.00	4	61450	50.00	5	29750
6-AXLE OR MORE	61	6.90	4	50.00	2	54450	50.00	2	31650
SUBTOTAL TRUCK-TRAILER COMBINATIONS	224	22.32	50	34.00	17	44896	66.00	33	24115
SUBTOTAL ALL COMBINATIONS	564	47.70	269	51.67	139	38928	48.33	130	21342
TOTAL ALL TRUCKS AND TRUCK COMBINATIONS	3197	90.49	2893	40.13	1161	14274	59.87	1732	6509

TRUCKS AND TRUCK COMBINATIONS OPERATED FOR-HIRE WITH AVERAGE LOADED WEIGHT AND AVERAGE EMPTY WEIGHT OF EACH TYPE AT

19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

VEHICLE TYPES	LOADED AND EMPTY VEHICLES COUNTED			LOADED VEHICLES			EMPTY VEHICLES		
	TOTAL ALL COUNTED (PRIVATE AND FOR-HIRE)	PERCENTAGE FOR-HIRE EACH TYPE	ESTIMATED NUMBER FOR-HIRE	PERCENTAGE OF TOTAL LOADED AND EMPTY EACH TYPE	ESTIMATED NUMBER EACH TYPE	AVERAGE LOADED WEIGHT	PERCENTAGE OF TOTAL LOADED AND EMPTY EACH TYPE	ESTIMATED NUMBER EACH TYPE	AVERAGE EMPTY WEIGHT
TRUCKS, SINGLE-UNITS						lbs.			lbs.
PANEL AND PICKUP(UNDER $1\frac{1}{2}$ TONS)	1357	0.00	1	--	--	--	--	--	--
OTHER 2-AXLE, 4-TIRED	124	0.00	1	--	--	--	--	--	--
OTHER 2-AXLE, 6-TIRED	1092	0.30	3	66.67	2	17550	33.33	1	*13600
3-AXLE	60	10.71	6	83.33	5	32820	16.67	1	*25310
SUBTOTAL SINGLE-UNITS	2633	0.34	9	77.78	7	28457	22.22	2	19450
TRACTOR SEMITRAILER COMBINATIONS									
3-AXLE	142	18.38	26	100.00	26	29908	0.00	0	--
4-AXLE	114	31.25	36	77.14	28	45267	22.86	8	23225
5-AXLE OR MORE	81	70.24	59	77.97	46	48035	22.03	13	30400
SUBTOTAL TRACTOR SEMITRAILER COMBINATIONS	340	35.59	121	82.64	100	42547	17.36	21	27667
COMBINATIONS INVOLVING FULL TRAILERS									
4-AXLE OR LESS	96	61.11	59	54.55	32	53617	45.45	27	23552
5-AXLE	67	87.10	58	46.30	27	69892	53.70	31	30293
6-AXLE OR MORE	61	93.10	57	79.63	45	58681	20.37	12	32673
SUBTOTAL TRUCK-TRAILER COMBINATIONS	224	77.68	174	59.77	104	60033	40.23	70	28101
SUBTOTAL ALL COMBINATIONS	564	52.30	295	69.15	204	51462	30.85	91	28001
TOTAL ALL TRUCKS AND TRUCK COMBINATIONS	3197	9.51	304	69.41	211	50698	30.59	93	27817

\* ONLY ONE UNIT WEIGHED

NUMBER OF AXLE LOADS OF VARIOUS MAGNITUDES OF LOADED AND EMPTY TRUCKS AND TRUCK COMBINATIONS OF EACH TYPE WEIGHED AND THE PROBABLE NUMBER OF SUCH LOADS OF EACH GENERAL TYPE AND OF ALL TYPES COUNTED AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949, COMPARED TO SIMILAR DATA IN 1948.

AXLE LOAD IN POUNDS	SINGLE UNIT TRUCKS								TRACTOR-SEMITRAILER COMBINATIONS								COMBINATIONS INVOLVING FULL TRAILERS								ALL TRUCKS AND COMBINATIONS					
	PANEL & PICKUP UNDER 1½ TONS	OTHER 2 AXLE 4-TIRED		OTHER 2 AXLE 6-TIRED		3 AXLE		ALL SINGLE UNIT TRUCKS		3 AXLE		4 AXLE		5 AXLE OR MORE		ALL TRACTOR SEMITRAILER COMB.		4 AXLES OR LESS		5 AXLE		6 AXLE		ALL TRUCK- TRAILER COMB.						
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	
UNDER 8,000	1752	2150	134	65	1637	1492	113	106	4871	4712	252	200	228	133	176	110	671	456	222	176	115	99	115	89	546	364	1217	820	6089	5532
8,000 - 8,499	1			1	31	38	2	5	38	50	8	4	16	16	48	17	73	39	18	10	15	15	18	27	54	52	127	91	165	111
8,500 - 8,999					16	35	1	4	19	44	8	7	14	11	30	20	53	40	14	7	21	9	28	13	67	29	120	69	139	113
9,000 - 9,499	1				16	33	3	5	22	42	10	7	15	11	22	18	48	37	4	4	12	6	14	7	32	17	80	54	102	96
9,500 - 9,999					23	110	6	4	31	128	6	12	6	9	18	11	30	33	5	9	7	12	15	14	29	35	59	68	90	196
10,000 - 10,999					50	21	8	9	63	33	19	14	20	14	38	13	78	42	1	7	3	11	28	15	34	33	112	75	175	108
11,000 - 11,999					37	29	8	7	49	40	18	16	18	13	18	18	55	49	5	4	4	5	32	17	43	26	98	75	147	115
12,000 - 12,999					44	28	7	6	56	38	22	5	16	13	20	11	59	30	7	6	2	2	20	5	31	13	90	43	146	81
13,000 - 13,999					33	16	5	3	41	21	14	6	19	10	24	12	58	29	1	6	11	5	28	6	42	17	100	46	141	67
14,000 - 14,999					32	10	6	1	41	12	11	7	18	6	6	9	36	23	4	1	20	7	12	8	39	16	75	39	116	51
15,000 - 15,999					21	7	6		30	8	12	4	18	2	11	7	42	14	7	6	24	10	4	2	38	18	80	32	110	40
16,000 - 16,999					18	10	1		21	11	10	2	20	5	4	2	35	9	17	17	24	11	3	1	47	29	82	38	103	49
17,000 - 17,999					17	7			19	8	6	-	15	2	5	1	27	3	35	12	17	3	1	-	57	15	84	18	103	26
18,000 - 18,999					8	7			9	8	3	4	8	6	1	11	11	9	5	3				13	5	24	16	33	24	
19,000 - 19,999					4	3			4	3	5	4	5	1		2	10	7	5	2	1			6	2	16	9	20	12	
20,000 - 21,999					5	2			6	2	2	2	8	2		3	10	7	2					2		12	7	18	9	
22,000 - 23,999					2	2	2		4	2	2	2	2	1		4	3		1					1		5	3	9	5	
24,000 - 25,999					2				2			1	2	1		2	2							2	2	4	2			
26,000 - 27,999																														
28,000 - 29,999																														
30,000 - 34,999																														
35,000 - 39,999																														
TOTAL AXLES WEIGHED	1754	2150	134	66	1996	1850	168	150	XXXX	XXXX	408	297	448	256	420	255	XXXX	XXXX	356	272	310	195	348	204	XXXX	XXXX	XXXX	XXXX	XXXX	XXXX
TOTAL AXLES COUNTED	2714	2814	248	110	2184	2082	180	156	5326	5162	426	300	456	264	420	270	1302	834	380	272	335	195	366	204	1081	671	2383	1505	7709	6667

## STATE OF MONTANA

NUMBER OF LOADED AND EMPTY TRUCKS AND TRUCK COMBINATIONS OF EACH TYPE OF VARIOUS TOTAL WEIGHTS AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3,  
TO SEPTEMBER 1, 1949 COMPARED TO CORRESPONDING DATA FOR 1948.

	SINGLE UNIT TRUCKS										TRACTOR-SEMITRAILER COMBINATIONS								COMBINATIONS INVOLVING FULL TRAILERS								ALL COMBINATIONS		ALL TRUCKS AND COMBINATIONS			
	PANEL & PICKUP UNDER 1½ TONS		OTHER 2 AXLE 4-TIRED		OTHER 2 AXLE 6-TIRED		3 AXLE		ALL SINGLE-UNIT TRUCKS		3 AXLE		4 AXLE		5-AXLE OR MORE		ALL TRACTOR SEMITRAILER COMBINATIONS		4-AXLE OR LESS		5-AXLE		6-AXLE OR MORE		ALL TRUCK- TRAILER COMBINATIONS							
	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948	1949	1948		
UNDER 10,000	875	1075	65	32	546	503	6	10	2078	2037	1	5			1		0	1	6	1	-						1		2	6	2080	2043
10,000 - 11,999	1		2	1	118	138	9	6	114	163	5	23			-		0	5	23	-	-						5	23	149	186		
12,000 - 13,999	1				78	133	3	3	90	153	6	6			1		2	6	9	1	-					1		7	9	97	162	
14,000 - 15,999					76	48	6	3	90	57	13	5			8		0	14	13	-	14						14		14	27	104	84
16,000 - 17,999					54	40	3	5	62	50	16	2	4	7			0	21	9	3	11					3	11	24	20	86	70	
18,000 - 19,999					50	20	-	1	55	24	14	7	2	-			3	17	10	-	6					7	7	17	17	72	41	
20,000 - 21,999					32	18	3	2	38	22	10	9	10	-			0	21	9	6	3					7	12	28	21	66	43	
22,000 - 23,999					25	11	1	3	28	16	4	6	11	-			1	15	7	22	3	-			23	3	38	10	66	26		
24,000 - 25,999					7	10	4	5	12	17	10	4	6	3			0	16	7	17	2	1	-		1	19	3	35	10	47	27	
26,000 - 27,999					5	1	7	5	13	6	14	8	9	3	4		5	28	17	7	-	1	1	-	9	1	37	18	50	24		
28,000 - 29,999					3	2	3	2	7	4	10	6	8	-	7	0	26	6	-	-	10	3	1	-	12	3	38	9	45	13		
30,000 - 34,999					4	1	6	5	11	6	16	7	3	9	18	4	38	21	4	5	22	-	12	4	41	9	79	30	90	36		
35,000 - 39,999									4		8	5	6	15	7	6	22	27	-	5	-	4	1	5	1	14	23	41	27	41		
40,000 - 44,999											6	2	8	7	10	6	24	16	-	-	-	7	5	1	5	8	29	24	29	24		
45,000 - 49,999											3	3	15	1	11	7	29	12	3	4	1	2	8	4	13	10	42	22	42	22		
50,000 - 54,999											1	14	5	11	6	25	13	2	2	-	1	1	10	3	13	28	26	28	26			
55,000 - 59,999								1			11	2	6	3	17	5	12	8	1	4	6	2	20	14	37	19	38	19				
60,000 - 64,999											4	2	4	3	8	5	11	5	2	1	8	3	22	9	30	14	30	14				
65,000 - 69,999											1		5	2	6	2	1		6	1	11	1	19	2	25	4	25	4				
70,000 - 74,999												1	1	1	1	1			15	4	5	2	22	6	23	7	23	7				
75,000 - 79,999													0						2	1		1	2	2	2	2	2	2				
80,000 - 84,999													1			1				1			1	1	1	1	1	1				
85,000 - 89,999													0																			
90,000 - 94,999													1			1																
95,000 - 99,999													1			1																
TOTAL VEHICLES WEIGHED	877	1075	67	33	998	925	56	50	XXXX	XXXX	136	99	112	64	84	51	XXXX	XXXX	90	68	62	39	58	34	XXXX	XXXX	XXXX	XXXX	XXXX			
TOTAL VEHICLES COUNTED	1357	1407	124	55	1092	1041	60	52	2633	2555	142	100	114	66	84	54	340	220	96	68	67	39	61	34	224	141	564	361	3197	2916		

LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

STATION	VEHICLE TYPE DESIGNATION	MAKE	YEAR	MODEL NUMBER	OWNER	COMMODITY CARRIED	PRIVATE OR FOR-HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACINGS						PERCENTAGE OVER STATE LAW									
									A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F	GROSS WEIGHT	AXLE GROUP	PERCENT		
7	2S1	International	47	KB7	Mayflower Line	Furn.	F.H.	26960	4300	12740	9920				13.3	21.4					34.7									
	2S1	- - - - -	- - - - -	- - - - -	- - - - -	Produce	Pri.	37775	4870	16350	16555				13.5	20.6					34.1									
2D	2D	G. M. C.	48	FF454	Joe D. Thompson Polson, Montana	Frt.	F.H.	26385	4870	21515					15.0							19.5								
3S2	Auto Car	48	DC10064	Safeway Stores Butte, Montana	Gro.	Pri.	35825	8390	8500	7400	5990	5545			16.5	4.0	23.0	4.0			47.5									
3S2	International	47	KB7	James Buchan Missoula, Montana	Mach.	F.H.	33725	10045	7400	8680	3900	3700			17.0	4.0	26.7	4.0			51.7									
2S2	G. M. C.	48	AC624	E. W. Wehrly Missoula, Montana	Logs	Pri.	58680	5490	17900	17695	17595				15.0	16.2	3.7				34.9								3.3	
3S2	Kenworth	46	825	V. Christman Twin Falls, Idaho	Empty	Pri.	32400	8190	8035	7240	4200	4435			14.7	4.4	22.1	3.9			45.1									
3-3	Kenworth	48	A	Con. Freight Lines Seattle, Washington	Frt.	F.H.	65670	9845	11040	10945	15230	9050			9560	13.6	4.2	13.0	17.3	4.5		52.6								
3S2	Peterbuilt	47	344DT	Carl H. Dahl Missoula, Montana	Beer	Pri.	67770	9355	13820	13360	14900	16335			16.7	4.2	23.0	4.2			48.1								1.3	
3S2	Peterbuilt	49	L1536	Washington Creamery Seattle, Washington	Turkeys	Pri.	61635	9725	13225	13125	12985	12575			13.3	4.4	41.0	4.0			62.7								9.2	
3		49	F-8	Donald Tripp Missoula, Montana	Lumber	Pri.	33980	5825	14265	13890					14.2	4.0					18.2									
3-3	Freightliner	48	A-140	Con. Freight Lines Seattle, Washington	Frt.	F.H.	74020	9600	14440	12400	16690	10025			10865	20.0	4.3	14.0	19.4	4.3		62.0								1.0
3S2	International	48	KB11FL	Kirkpatrick Bros. Kalispell, Montana	Mach.	F.H.	68335	7305	12925	12735	17585	17785			11.4	4.2	19.6	3.5			38.7								13.9	
2S1	Peterbuilt	48	270DD	N. P. Transport Billings, Montana	Frt.	F.H.	29065	6650	13615	8800					14.2	16.1					30.3									
3-3	Kenworth	48	10L	United Freight Lines	Frt.	F.H.	45200	8840	12200	11090	14110	4340			4620	16.2	4.3	11.5	12.6	4.0		48.6								
3S2	Kenworth	41	PSW523	United Freight Lines	Frt.	F.H.	34280	7760	6270	7190	6270	6790			4620	12.9	4.0	24.0	4.0			44.9								
3-3	Kenworth	47	BB625	United Freight Lines	Empty	F.H.	31700	8200	6680	5700	3970	3800			3350	16.8	4.4	13.3	12.1	4.0		50.6								
3	International	45	M5H6	Willard B. Aronow Kalispell, Montana	Gas	F.H.	28475	6440	11100	10935					12.3	3.8					16.1									
3-3	Freightliner	49	C-357	Con. Freight Lines Seattle, Washington	Frt.	F.H.	68355	9100	12650	12900	14015	10125			9565	13.4	4.3	12.7	17.4	4.0		51.8								
3S2	Federal	35	HA9962	Con. Freight Lines Seattle, Washington	Frt.	F.H.	46565	7670	13025	11820	7010	7040			14.9	4.4	19.9	4.4			43.6									
3-3	Freightliner	48	A-140	Con. Freight Lines Seattle, Washington	Frt.	F.H.	61930	9090	12955	12690	13200	6920			7075	13.9	4.3	13.7	19.7	4.3		55.9								
2S2	G. M. C.	49	A-C653	R. E. Lee Missoula, Montana	Mach.	Pri.	61095	5100	21300	17300	17395				13.7	16.1	4.7				34.5	18.3							7.6	
3-3	International	45	4064H	West Coast Freight	Frt.	F.H.	45150	8630	9475	11230	4320	5395			6100	18.0	4.0	15.5	13.0	4.0		54.5								
2S2	Kenworth	49	521	J. Arends Spokane, Washington	Pro.	Pri.	29790	7650	10410	6390	5340				14.4	18.2	4.2				36.8									
2S2	White	48	WB22	H. E. Wehrly Missoula, Montana	Lumber	Pri.	51060	6240	16195	14445	14180				15.0	16.5	4.0				35.5									
3-3	Freightliner	40	- - -	Con. Freight Lines Seattle, Washington	Frt.	F.H.	49130	8795	13955	13175	6430	2845			3930	13.6	4.2	13.0	17.3	4.5		52.6								
3	G. M. C.	42	CCW353	Arthur Schultz Superior, Montana	Lumber	Pri.	34135	6135	14005	13995					14.4	3.8					18.2									
3S2	International	48	KB11FL	Kirkpatrick Bros. Kalispell, Montana	Empty	Pri.	27195	6705	6465	6465	3480	4080			11.4	4.2	19.6	3.5			38.7									
3-3	Freightliner	47	A 140	Con. Freight Lines Seattle, Washington	Empty	F.H.	36000	8840	4795	6385	6685	5140			3855	13.4	4.5	12.9	19.0	4.5		54.3								

NOTE: STATE LAW AND A.A.S.H.O. RECOMMENDATIONS ARE IDENTICAL

ISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

LISTING SHOWING TOTAL WEIGHT, E LOADS A KLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE

AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

STATION	VEHICLE TYPE DESIGNATION	MAKE	YEAR	MODEL NUMBER	OWNER	COMMODITY CARRIED	PRIVATE OR FOR HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACINGS						PERCENTAGE OVER STATE LAW						
									A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	AXLE LOAD				GROSS WEIGHT	MAXIMUM AXLE GROUP	
9	3-3	Freightliner	47		Con. Freight Lines Portland, Oregon	Frt.	F.H.	63520	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	ft.	ft.	ft.	ft.	ft.	ft.							
	3-3	Peterbuilt	47	275	T. W. Lawer Seattle, Washington	Empty	Pri.	32210	8750	6000	5900	4350	3540	3670	16.6	4.0	14.0	15.2	4.0	53.8							
	282	-----	-----	-----	-----	Frt.	F.H.	42510	8180	9700	10410	6770	7450	15.0	4.4	21.5	3.9	4.0	44.8								
	3S2	International	47	W3042L	N.W. Freight Lines Billings, Montana	Frt.	F.H.	49170	8490	12690	13540	7060	7390	15.1	4.3	27.8	4.0	4.0	51.2								
	2D	G. M. C.	48	FC453	Joe Matelich Anaconda, Montana	Beer	Pri.	26810	5440	21270					13.4						13.4	18.2					
	3-2	International	47	- - -	Taber Bros. Great Falls, Montana	Empty	F.H.	31110	8440	8840	3740	5150	4960	16.8	4.2	13.6	20.8		55.4								
	3	Studebaker	42		E. L. Jones Oil	Beer	Pri.	26490	5310	10460	10720				11.8	3.7				15.5							
	2-2	International	41	KS8	E. L. Jones Billings, Montana	F.H.	57270	6260	17470	15940	17600				13.4	10.2	14.9			38.5							
	3-2	Kenworth	41	523KSW	N.P. Transport Billings, Montana	Empty	F.H.	30090	7950	5710	6810	4510	5110	18.0	4.0	16.6	17.8		56.4								
	2S1	International	42	K8	Lyon Van Lines Portland, Oregon	Furn.	F.H.	26110	5540	12310	8260				12.4	16.2				28.6							
	3	Kenworth	37	D346C	N. P. Transport Billings, Montana	Frt.	F.H.	38840	9610	14040	15190				18.4	4.4				22.8							
11	2S2	Freightliner	46		Karst Freight Lines Bozeman, Montana	Frt.	F.H.	53155	8030	18965	12920	13240			14.3	18.3	4.3			36.9	5.2						
	3S2	Kenworth	49	CC-523	N.W. Improvement Co. Billings, Montana	Frt.	F.H.	53595	8285	12495	12020	11300	9495		15.2	4.4	22.0	4.4		46.0							
	3-3	Freightliner	48	A	Consolidated Freight Butte, Montana	Frt.	F.H.	68465	9035	13355	11715	12845	10835	10680	13.7	4.4	13.4	18.2	4.4	54.1							
	2-2	White	40	720 PC	N. P. Transport Billings, Montana	Oil	F.H.	64120	9345	19095	18030	17650			16.7	12.0	14.5			43.2	6.1	0.2					
	2S1	G. M. C.	49	FC 303	Ray Vandecar Bozeman, Montana	Lumber	Pri.	34580	37775	15480	15325				13.4	11.8				25.2							
	2S1	Autocar	45	DC10061	Safeway Stores Butte, Montana	Gro.	Pri.	40810	8565	19455	12790				15.5	15.3				30.8	8.1						
	3S2	Kenworth	42	523KSW	N. P. Transport Billings, Montana	Frt.	F.H.	40915	8400	10400	9945	6230	5940		15.4	4.0	22.0	4.0		45.4							
	2D	G. M. C.	37	T61HB	A.C.M. Co. Butte, Montana	Gravel	Pri.	26215	8090	18125					13.2					13.2	0.7						
	2D	G. M. C.	40	AC 700	Pioneer Fuel & Brick Co. Butte, Montana	Lime	Pri.	25105	6655	18750					13.4					13.4	4.2						
	3S2	Kenworth	42	523KSW	N. P. Transport Billings, Montana	Empty	F.H.	29185	8450	8435	3610	4310	4345		15.4	4.0	22.0	4.0		45.4							
	3S2	Kenworth	40	523KSW	Garett Freight Billings, Montana	Frt.	F.H.	54040	8510	12975	12260	10705	9590		16.0	4.0	21.9	4.0		45.9							
	2S1	International	46	B1D	Skellet Van & Storage Butte, Montana	Furn.	Pri.	26745	4505	11505	10735				11.2	21.3				32.5							
	2S1	International	41	KB	-----	Furn.	F.H.	28650	4425	13030	11195				11.4	21.2				32.6							
	2D	G. M. C.	37	T611B	A.C.M. Co. Butte, Montana	Gravel	Pri.	27745	8345	19400					13.2					13.2	7.8						
	3S2	Kenworth	49	CC-523	N.W. Improvement Co. Billings, Montana	Empty	F.H.	31170	8215	7005	5950	4935	5065		15.2	4.5	21.9	4.5		46.1							
	3	International	47	K138FL	Ryan Fruit Co. Butte, Montana	Gro.	Pri.	29470	7045	11280	11145				27.0	4.0				31.0							
	3S2	Reo	48	31B	V. Lenz Butte, Montana	Peaches	Pri.	56760	7590	16295	9405	10745	12725		13.7	4.0	23.0	4.0		44.7							

TING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE  
 WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE  
 AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

STATION	VEHICLE TYPE DESIGNATION	MAKE	YEAR	MODEL NUMBER	OWNER	COMMODITY CARRIED	PRIVATE OR FOR HIRE	TOTAL WEIGHT	AXLE LOADS					AXLE SPACINGS					PERCENTAGE OVER STATE LAW							
									A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	AXLE LOAD					
																				GROSS WEIGHT	AXLE GROUP	PERCENT				
11	3	Chevrolet	47	Q.W.G.	A. M. Abrahams Butte, Montana	Cement	F.H.	30190	lbs.	3790	14360	12040				13.4	4.0				17.4					
	2-D	Federal	44	45M	Victoria Mines Inc. Sheridan, Montana	Lime	Pri.	32265	lbs.	6180	26085						13.0					13.0	44.6			
	3S2	- - - - -	- - - - -	- - - - -	- - - - -	31540	7855	8360	6595	5150	3580					15.2	4.4	22.0	4.4		46.0					
	2-D	- - - - -	- - - - -	- - - - -	- - - - -	30170	11890	17980								13.2					13.2					
	3S2	Kenworth	49	CC-523	N.W. Improvement Co. Billings, Montana	Frt.	F.H.	51050	8015	11225	11230	9750	10830			15.4	4.4	18.6	4.4		42.8					
13	3-3	- - - - -	- - - - -	- - - - -	- - - - -	Frt.	F.H.	67385	8460	11910	10800	13870	11060	11285		13.5	4.4	13.5	19.6	4.4	55.4					
	3-2	Kenworth	49	HG825C	Motor Equipment Co. Billings, Montana	Empty	F.H.	31440	8410	6640	6340	14880	5170			18.3	4.3	14.2	18.8		55.6					
	3-2	Mack	48	LTSW	Bise Truck Line Laurel, Montana	Gas	F.H.	60040	9510	15310	15240	13640	6340			17.0	4.6	16.2	18.3		56.1					
	2S2	International	47	- - -	Idaho Beverage Co. Idaho Falls, Idaho	Beer	Pri.	57430	8610	20870	14110	13840				15.0	15.9	4.1			35.0	15.9				
	3S2	Kenworth	48	BC3250	Garrett Frt. Lines Butte, Montana	Frt.	F.H.	37120	8500	8560	7140	6420	6500			15.9	4.4	21.1	4.4		45.8					
	22	Federal	41	- - -	M. Anderson Idaho Falls, Idaho	Concrete Blocks	Pri.	29230	5600	23630						15.0					15.0	31.3				
	3-3	Kenworth	37	HB	Garrett Frt. Lines Butte, Montana	Empty	F.H.	33840	7450	5810	5940	5920	4540	4180		17.3	4.4	13.3	13.2	4.0	52.2					
	3-3	Kenworth	41	HB	Garrett Frt. Lines Butte, Montana	Frt.	F.H.	43330	9430	9730	9620	4600	4820	5130		17.0	4.4	13.3	13.2	4.0	51.9					
	2S2	Auto-Car	46	AECA	R. C. Rodwen Los Angeles, Calif.	Oranges	Pri.	67500	8810	16550	11870	12970	17300			15.9	4.4	21.1	4.4		45.8					
17	2S2	International	41	K7COE	N. P. Transport Billings, Montana	Frt.	F.H.	37130	6940	17250	6440	6500				14.4	13.9	4.0			32.3					
	3	Chevrolet	35	QD	- - - - -	Pro.	F.H.	32550	5230	14410	12910					14.5	3.5				18.0					
	3S2	Auto-Car	49	DC10064	Safeway Stores Butte, Montana	Empty	Pri.	33320	8460	7280	7230	5280	5070			15.9	4.0	22.0	4.0		45.9					
	3S2	Auto-Car	49	DC10064	Safeway Stores Butte, Montana	Gro.	Pri.	53245	9010	14510	9780	10760	9185			14.9	4.0	27.0	4.0		49.9					
	3S2	Auto-Car	49	DC10064	Safeway Stores Butte, Montana	Gro.	Pri.	53480	9010	14510	9690	9970	10300			14.9	4.0	27.0	4.0		49.9					
	3S2	Kenworth	47	8-25	N.W. Freight Lines Billings, Montana	Frt.	F.H.	52800	8240	13370	10980	10660	9550			14.0	4.3	26.4	4.3		49.0					
	2-2	International	44	KR11L	H. F. Johnson Billings, Montana	Oil	F.H.	30140	6030	7240	8690	8180				16.5	12.5	15.0			44.0					
	3-3	Freightliner	47	308	Con. Freight Lines Seattle, Washington	Frt.	F.H.	47190	10180	8430	8350	10890	5050	4290		13.6	4.5	13.4	19.4	4.5	55.4					
	2S1	Chevrolet	46	PWH	Jack Lewis Libby, Montana	Posts	Pri.	28120	3070	12950	12100					14.2	17.5				31.7					
	3S2	Kenworth	49	CC523	N.W. Improvement Co. Missoula, Montana	Frt.	F.H.	44630	7440	10290	10230	8110	8560			15.2	4.5	21.9	4.5		46.1					
	3S2	Kenworth	45	523	N. P. Transport Billings, Montana	Frt.	F.H.	43520	8160	10330	10040	8540	6450			15.4	4.2	21.9	4.2		45.7					
	2S2	Auto-Car	45	DC10064	Safeway Stores Butte, Montana	Gro.	Pri.	47690	8410	20120	9260	9900				15.4	15.2	4.2			34.8	11.8				
	3S2	Auto-Car	47	DC10064	Safeway Stores Butte, Montana	Empty	Pri.	31120	7850	7160	6810	14660	14640			14.6	4.0	22.2	4.0		44.8					
	3S2	Auto-Car	49	DC10064	Safeway Stores Butte, Montana	Empty	Pri.	31960	8440	7210	6670	4270	5370			15.0	4.0	16.9	4.0		39.9					
	3S2	Auto-Car	44	DC10064	Safeway Stores Butte, Montana	Empty	Pri.	30990	8100	6930	6630	4600	4730			14.5	4.0	22.4	4.0		44.9					

LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13TONS OR MORE  
AT 19 LOADMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

STATION	VEHICLE TYPE DESIGNATION	MAKE	YEAR	MODEL NUMBER	OWNER	COMMODITY CARRIED	PRIVATE OR FOR-HIRE	TOTAL WEIGHT	AXLE LOADS					AXLE SPACINGS					PERCENTAGE OVER STATE LAW								
									A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F	GROSS WEIGHT	
									lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	ft.	
17	3S2	Kenworth	49	CC523	N.W. Improvement Co. Missoula, Montana	Fr.t.	F.H.	35150	8360	10360	6770	4350	5310		14.5	4.0	22.2	4.0		44.7							
30	2S2	Auto-Car	46	C90	Ward Stephens Billings, Montana	Furn.	Pri.	53270	9350	19100	14120	10700			13.9	24.2	4.4			42.5	6.1						
03	International	47	KBBFL	Ryan Grocery Co. Billings, Montana	Gro.	Pri.	36770	5310	15710	15700					16.0	4.0				20.0							
2S2	International	47	KB512L	Frank Stephens Billings, Montana	Cattle	Pri.	46465	6325	16855	11700	11585				13.0	24.6	4.0			41.6							
2S1	Diamond T	47	614	Walter Woody Red Lodge, Montana	Hay	Pri.	41535	4100	17710	19725					11.6	18.4				30.0		9.6					
2D	Diamond T	46	404	Walter Woody Red Lodge, Montana	Hay	Pri.	22590	4350	18240						14.7					14.7	1.3						
2-2	International	46	KR11L	H. F. Johnson Billings, Montana	Gas	F.H.	60175	7660	17665	17565	17285				16.6	13.3	18.5			48.4							
2S1	White	48	WB22T	Jim Short Billings, Montana	Gravel	Pri.	47765	5435	19785	22545					12.4	12.4				24.8	9.9	25.2					
3S2	Indiana	34	19DR	Northern Pacific Billings, Montana	Fr.t.	F.H.	51025	8300	12615	12215	8555	9340			15.6	4.0	19.6	4.0		43.2							
2S2	G. M. C.	48	LGR	Hill & Hill Texas	Mach.	Pri.	28175	7525	11510	4620	4520				13.4	20.4	4.4			38.2							
2-2	International	48	KB8L	E. L. Jones Billings, Montana	Oil	F.H.	47560	6925	14385	14450	11800				15.0	11.3	15.6			41.9							
2S2	International	48	KDB	Northern Pacific Billings, Montana	Fr.t.	F.H.	35180	7900	12610	7505	7165				12.2	17.0	4.0			33.2							
3-2	Kenworth	48	HG825C	Embry & Jordan Bozeman, Montana	Oil	F.H.	76145	9400	15885	14925	17745	18190			18.4	4.4	12.5	20.4		55.7		1.1		4.9	B-D	17.9	
2D	International	48	KBS7L	V. Paganini Billings, Montana	Sand	Pri.	24580	6450	18130						13.2					13.2	0.7						
3S2	Auto-Car	47	- - -	System Motors St. Paul, Minn.	Empty	Pri.	46685	9730	8280	9435	9865	9375			14.4	4.2	17.5	4.2		40.3							
2D	Ford	48	F5	Albert Birch Billings, Montana	Gravel	Pri.	23595	5230	18365						13.1					13.1	2.0						
2-2	White	44	WA26	L. W. Hageman Laurel, Montana	Oil	F.H.	52295	6480	15535	14695	15585				13.3	12.0	15.8			41.1							
2S1	G. M. C.	40	- - -	Big Horn Coop Powel, Wyoming	Gas	F.H.	35700	4800	13680	17220					13.5	15.0				28.5							
3-3	Chevrolet	46	PWF	Hitz Construction Billings, Montana	Mach.	Pri.	50385	2625	5580	5740	11145	12255	13040		11.7	3.7	9.5	16.6	3.4	14.9							
2S2	International	49	KB8L	Chicago Burlington & Quincy R.R.	Fr.t.	F.H.	26230	5295	9395	6140	5400				12.5	17.4	4.0			33.9							
2-2	White	42	WA26S	L. W. Hageman Laurel, Montana	Oil	F.H.	57295	8515	18105	14445	16230				15.0	12.7	13.3			41.0	0.6						
2S1	International	47	KB11	Dick Jones Powell, Wyoming	Cattle	F.H.	34620	6800	14780	13040					15.0	7.6				22.6							
2S2	Auto-Car	46	C90	Heald Construction Billings, Montana	Mach.	Pri.	62810	8580	21900	16100	16230				14.2	21.3	4.0			39.5	21.7				3.3	B-D	12.2
2-2	White	44	WA26	L. W. Hageman Laurel, Montana	Oil	F.H.	59955	6610	16845	18000	18500				13.6	12.6	16.2			42.4		2.9			B-D	3.0	
2S2	International	46	KS8	C. W. Kelles Powell, Wyoming	Mach.	F.H.	45275	5615	15270	12270	12120				13.6	19.4	4.4			37.4							
2S2	International	47	KBS12L	Frank Stephens Billings, Montana	Empty	Pri.	26765	6920	9615	5385	4845				13.3	24.0	4.0			41.3							
2S2	Auto-Car	46	C90	Ward Stephens Billings, Montana	Empty	Pri.	29337	9300	10430	4760	4847				14.0	24.4	4.0			42.4							

LISTING SHOWING TOTAL WEIGHT, LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

STATION	VEHICLE TYPE DESIGNATION	MAKE	YEAR	MODEL NUMBER	OWNER	COMMODITY CARRIED	PRIVATE OR FOR-HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACINGS						PERCENTAGE OVER STATE LAW								
									A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F	GROSS WEIGHT	MAXIMUM AXLE GROUP		
																											AXLE GROUP	PER-CENT	
30	3S2	Indiana	34	19DR	Northern Pacific Billings, Montana	Frt.	F.H.	32880	lbs.	8090	lbs.	7935	lbs.	7840	lbs.	4105	lbs.	4910	ft.	15.5	4.0	19.8	4.0	43.3					
36	3S2	Kenworth	45	523	L. W. Hageman Laurel, Montana	Gas	F.H.	67140	lbs.	8940	lbs.	13090	lbs.	13380	lbs.	15850	lbs.	15880	ft.	17.8	4.0	16.4	18.2	56.4					
2S2	G. M. C.	48	426	Graham Home Houston, Texas	Mach.	Pri.	44240	lbs.	5410	lbs.	14080	lbs.	12740	lbs.	12010	lbs.				13.4	19.6	3.8		36.8					
3S2	Kenworth	46	523	Great Northern R.R. Great Falls, Montana	Frt.	F.H.	47290	lbs.	8500	lbs.	10760	lbs.	7720	lbs.	10070	lbs.	10240	ft.	15.0	4.4	21.8	4.4	45.6						
3-2	Mack	48	LTSW	Rice Truck Lines Great Falls, Montana	Empty	F.H.	32190	lbs.	4690	lbs.	6830	lbs.	6810	lbs.	4770	lbs.	5090	ft.	17.8	4.6	15.6	17.8	55.8						
2S2	International	37	D50L	Harry Walker Bozeman, Montana	Flour	F.H.	49180	lbs.	5800	lbs.	15940	lbs.	14360	lbs.	13080	lbs.		ft.	13.5	19.2	4.0		36.7						
3S2	G. M. C.	49	ADCW 945	Great Northern R.R. Great Falls, Montana	Frt.	F.H.	36490	lbs.	7580	lbs.	8880	lbs.	8810	lbs.	5360	lbs.	5860	ft.	16.0	4.4	22.5	4.0	46.9						
2S1	White	46	WA22	Gamble Robinson Great Falls, Montana	Gro.	Pri.	33320	lbs.	5190	lbs.	15850	lbs.	12280	lbs.				ft.	12.0	18.2			30.2						
2-2	Kenworth	45	H542-11	Papin & Son Great Falls, Montana	Empty	Pri.	31930	lbs.	7550	lbs.	13200	lbs.	4650	lbs.	6530	lbs.		ft.	10.2	9.4	9.4		29.0						
3-3	Freightliner	48	A	Consolidated Frt. Portland, Oregon	Frt.	F.H.	44570	lbs.	8180	lbs.	6570	lbs.	6140	lbs.	9400	lbs.	7170	lbs.	6810	ft.	13.7	4.4	13.8	19.6	44.4	55.9			
3	International	36	35T	Henry Sharon Great Falls, Montana	Gravel	Pri.	27500	lbs.	4640	lbs.	12090	lbs.	10770	lbs.				ft.	12.0	3.5			15.5						
2S2	International	47	KBR11L	Safeway Stores Butte, Montana	Empty	Pri.	26540	lbs.	5630	lbs.	10940	lbs.	4840	lbs.	5090	lbs.		ft.	13.6	14.6	4.2		32.4						
2-2	Kenworth	45	H542-11	Papin & Son Great Falls, Montana	Gravel	Pri.	55410	lbs.	7620	lbs.	12870	lbs.	16800	lbs.	18120	lbs.		ft.	10.2	9.4	9.4		29.0		0.7				
3	G. M. C.	International	47	KBS8L	Vehicle Rental Co. Great Falls, Montana	Cream	Pri.	26420	lbs.	4860	lbs.	12600	lbs.	8960	lbs.			ft.	12.2	3.6			15.8						
3	International	36	35T	Henry Sharon Great Falls, Montana	Gravel	Pri.	28160	lbs.	4630	lbs.	12590	lbs.	10940	lbs.				ft.	13.6	13.5			27.1						
2-2	Kenworth	45	H542-11	Papin & Son Great Falls, Montana	Gravel	Pri.	31120	lbs.	7290	lbs.	12870	lbs.	4230	lbs.	6730	lbs.		ft.	10.2	9.4	9.4		29.0						
3-2	Kenworth	45	523	L. W. Hageman Laurel, Montana	Empty	F.H.	28650	lbs.	7680	lbs.	5760	lbs.	5830	lbs.	4700	lbs.	4680	ft.	17.9	4.0	16.4	18.2	56.5						
3S2	G. M. C.	48	ADCW 953	Highway Motor Frt. Lewistown, Montana	Frt.	F.H.	30810	lbs.	7080	lbs.	7840	lbs.	8090	lbs.	5770	lbs.	2030	ft.	14.7	4.0	23.0	4.2	45.9						
3-3	Freightliner	40	A	Con. Freight Lines Portland, Oregon	Frt.	F.H.	45090	lbs.	6320	lbs.	12150	lbs.	11050	lbs.	7420	lbs.	4120	lbs.	4030	ft.	13.6	4.3	13.7	19.8	4.0	55.4			
3-2	Kenworth	48	CD825	L.W. Hageman Laurel, Montana	Empty	F.H.	31510	lbs.	9170	lbs.	8740	lbs.	4870	lbs.	4510	lbs.	4220	ft.	15.2	4.5	18.2	18.3	56.2						
2-2	International	40	DS50	C. J. Rogers Great Falls, Montana	Gas	F.H.	54910	lbs.	6640	lbs.	16640	lbs.	15610	lbs.	16020	lbs.		ft.	13.4	11.1	18.0		42.5						
2D	International	41	KB5	Jack James Great Falls, Montana	Mach.	F.H.	23720	lbs.	4380	lbs.	19340	lbs.						ft.	16.2				16.2	7.4					
2-2	Kenworth	45	H542-11	Papin & Son Great Falls, Montana	Gravel	Pri.	55860	lbs.	6890	lbs.	13310	lbs.	17040	lbs.	18620	lbs.		ft.	10.2	9.4	9.4		29.0		3.4				
3-3	Freightliner	45	H	Con. Freight Lines Portland, Oregon	Frt.	F.H.	59700	lbs.	7920	lbs.	11640	lbs.	10120	lbs.	13330	lbs.	8620	lbs.	8070	ft.	13.6	4.3	13.6	19.7	4.2	55.4			
3	International	36	35T	Henry Sharon Great Falls, Montana	Gravel	Pri.	27440	lbs.	4570	lbs.	12160	lbs.	10710	lbs.				ft.	12.0	3.5			15.5						
3-2	Kenworth	45	523	Bice Truck Lines Laurel, Montana	Gas	F.H.	60720	lbs.	9290	lbs.	11740	lbs.	10020	lbs.	14830	lbs.	14840	lbs.		ft.	18.6	4.3	15.2	18.4	56.5				

ISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE  
AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

TESTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE  
AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

STING SHOWING TOTAL WEIGHT, AT LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

TESTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE

AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

LISTING SHOWING TOTAL WEIGHT, LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE.

AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE  
AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.



LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE  
AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

STATION	VEHICLE TYPE DESIGNATION	MAKE	YEAR	MODEL NUMBER	OWNER	COMMODITY CARRIED	PRIVATE OR FOR-HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACINGS						PERCENTAGE OVER STATE LAW						
									A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	AXLE LOAD			GROSS WEIGHT	MAXIMUM AXLE GROUP		
																					B	C	D	E	F	AXLE GROUP	PER-CENT
57	3-3	Freightliner	46	500	Con. Freight Lines Portland, Oregon	Empty	F.H.	33050	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	ft.	ft.	ft.	ft.	ft.	ft.							
2S1	International	41	KB7	A. B. Smith Houston, Texas	Circus	Pri.	34010	3710	14940	15360					11.2	18.7					29.9						
2S2	White	48	28AO	Standard Oil Denver, Colorado	Gas	Pri.	50600	8000	18500	11620	12480				13.3	17.1	4.5				34.9	2.8					
2S1	Dodge	46	WHA147	H. L. Cook Absarokee, Montana	Cattle	Pri.	28040	3560	12300	12180					13.4	17.2					30.6						
3-2	Peterbuilt	49	350	Tom Boucher Great Falls, Montana	Empty	Pri.	31080	8840	6700	6300	4580	4660			19.4	4.3	14.2	18.0			55.9						
3-3	Freightliner	48	A195	Con. Freight Lines Portland, Oregon	Empty	F.H.	30740	7440	5620	5280	5120	3240	4040		13.7	4.4	13.7	19.6	4.4		55.8						
3S2	Cummings	35	HB600	Northern Pacific Billings, Montana	Empty	F.H.	27600	5940	6680	6560	4560	3860			15.4	4.0	28.3	4.0			51.7						
3-2	Kenworth	48	HG8250	Embry & Jordan Bozeman, Montana	Oil	F.H.	74120	8960	15940	14500	17180	17540			18.4	4.4	12.5	20.6			55.9						
2S1	White	41	WA22	H. L. Cook Absarokee, Montana	Cattle	F.H.	35340	4820	16000	14520					12.3	19.4					31.7						
2S1	Diamond T	46	614H	Clinton Bros. Manhattan, Montana	Hay	Pri.	34560	4220	14880	15460					12.6	19.5					32.1						
2S1	Diamond T	49	614H	BonTon, Inc. Billings, Montana	Bread	Pri.	34880	4300	16520	14060					12.6	24.6					37.2						
3S2	Auto-Car	—	DC1006	Safeway Stores Butte, Montana	Empty	Pri.	33500	8720	7520	7680	4620	4960			14.8	4.0	20.5	4.4			43.7						
2S2	Kenworth	45	586	Northern Pacific Billings, Montana	Frt.	F.H.	27500	6140	10840	5200	5320				13.6	15.3	4.0				32.9						
3-3	Freightliner	44	H-B	Con. Freight Lines Portland, Oregon	Empty	F.H.	33460	7540	7060	6200	5160	3660	3840		13.8	4.4	13.6	19.6	4.4		55.8						
2S2	Kenworth	45	521SP	Northern Pacific Billings, Montana	Empty	F.H.	27060	6380	10620	5180	4880				13.6	23.5	4.0				41.1						
3-2	Mack	48	LTSW	Bice Truck Lines Laurel, Montana	Empty	F.H.	30520	8640	6320	6240	4900	4420			16.9	4.5	15.5	18.3			55.2						
2S1	G. M. C.	42	ADCR 620	Ed Braaten Big Timber, Montana	Frt.	F.H.	36060	6420	11240	15400					11.4	24.7					39.1						
3S2	Peterbuilt	48	L1536	Washington Creamery Spokane, Washington	Turkeys	Pri.	63200	9380	13840	12860	15720	11400			13.4	4.4	20.9	4.0			42.7						
3-2	Peterbuilt	49	350	Tom Boucher Great Falls, Montana	Gas	F.H.	72800	8400	15480	15340	16540	17040			19.4	4.3	14.2	18.0			55.9						
2S1	G. M. C.	41	G.M.C.	Ed Braaten Big Timber, Montana	Horses	Pri.	27600	4040	10720	12840					11.4	20.5					31.9						
3-2	Kenworth	47	825B	L. M. Hageman Laurel, Montana	Oil	F.H.	75500	9520	16700	14840	17960	16480			16.8	4.4	17.3	18.4			56.9						
2S1	Dodge	46	WHA147	H. L. Cook Absarokee, Montana	Cattle	F.H.	26090	3660	11000	11430					13.4	17.2					30.6						
2S2	G. M. C.	49	ACR522	S & P Trucking Co. Billings, Montana	Frt.	F.H.	54740	6840	17960	15400	14540				16.8	17.4	4.0				38.2						
2S2	Kenworth	46	521SP	N. W. Freight Lines Billings, Montana	Frt.	F.H.	46560	8300	16200	11720	10340				13.6	21.6	4.0				39.2						
3-3	Freightliner	46	A	Con. Freight Lines Portland, Oregon	Frt.	F.H.	64200	7620	11400	12760	13420	7620	8380		13.8	4.4	13.8	19.8	4.4		56.2						
3-2	Kenworth	48	CD825	L. M. Hageman Laurel, Montana	Empty	F.H.	29930	8310	6400	5900	4980	4340			15.0	4.4	18.3	18.2			55.9						
3S2	Kenworth	47	N.H.	Exley Porter	Empty	Pri.	27620	8420	6240	6140	3100	3720			17.5	4.4	24.4	4.4			50.7						

LISTING SHOWING TOTAL WEIGHT, A LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS WITH ONE OR MORE AXLES WEIGHING 18,000 POUNDS OR MORE, ALSO SINGLE-UNIT TRUCKS AND TRUCK COMBINATIONS WEIGHING 13 TONS OR MORE AT 19 LOADOMETER STATIONS DURING THE PERIOD FROM AUGUST 3, TO SEPTEMBER 1, 1949.

STATION	VEHICLE TYPE DESIGNATION	MAKE	YEAR	MODEL NUMBER	OWNER	COMMODITY CARRIED	PRIVATE OR FOR HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACINGS						PERCENTAGE OVER STATE LAW							
									A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	AXLE LOAD				GROSS WEIGHT	MAXIMUM AXLE GROUP		
57	3-2	Peterbuilt	49	270DD	G. T. Jordan Great Falls, Montana	Empty	F.H.	30360	8480	6580	6180	4540	4580	lbs.	ft.	ft.	ft.	ft.	ft.	ft.	56.2							
	2S2	Mack	44	LJ707	Russell Milling Co. Billings, Montana	Flour	F.H.	27480	7960	7800	5960	5760				16.2	15.8	4.4	18.0			36.4						
	3-2	Kenworth	46	523	L. W. Hageman Laurel, Montana	Empty	F.H.	30720	8120	6380	6280	4880	5060	lbs.	17.4	4.3	14.5	19.0	4.4		55.2							
	3S2	Peterbuilt	44	354	N. P. Transport Billings, Montana	Frt.	F.H.	47040	8040	10540	11200	9120	8140		15.4	4.4	19.2	4.4			43.4							
	3S2	Kenworth	49	CC523	N.W. Improvement Co. Billings, Montana	Frt.	F.H.	40160	8100	8780	10240	6160	6880		15.2	4.4	21.4	4.4			45.4							
	2S2	Auto-Car	45	DC1006L	Safeway Stores Butte, Montana	Gro.	Pri.	27580	8200	10100	3840	5440				15.4	15.0	4.4				34.8						
	3-3	Freightliner	47	A	Con. Freight Lines Portland, Oregon	Frt.	F.H.	57490	9020	11320	11660	13620	6870	5000	13.6	4.4	13.4	18.0	4.4		53.8							
	2S2	RCO	47	25T	Roy Nunley Big Timber, Montana	Cattle	Pri.	46420	5300	11940	13840	12340				15.0	20.9	4.4				40.3						
	2S1	Ford	48	F-8	S & S Supply Co. Billings, Montana	Wheat	Pri.	40015	7440	18815	13760				16.3	16.4					32.7	4.5						
	2S1	International	46	K8	Rexburg Oil Co. Rexburg, Idaho	Gas	Pri.	36400	5280	16480	14640				12.6	15.8					28.4							
	3S2	International	47	W3042L	N.W. Freight Lines Billings, Montana	Frt.	Pri.	59460	8280	14780	15860	9820	10720		15.2	4.4	28.0	4.0			51.6							
	3S2	Diamond T	41	10	N.W. Freight Lines Billings, Montana	Frt.	Pri.	40040	9180	8320	8640	6960	6940		17.0	4.4	27.0	4.0			52.4							
	3-3	Freightliner	46	- - -	Con. Freight Lines Portland, Oregon	Frt.	F.H.	63950	9420	12820	13660	12560	7520	7970	17.7	4.4	13.6	19.6	4.4		59.7							
	59	3S2	49	ACW853	Great Northern R.R. Great Falls, Montana	Frt.	F.H.	41480	6670	10940	9540	6320	8010		13.3	4.4	22.3	4.4			44.4							
	2S1	International	48	KB7	M. J. Beddingheimer Pernham, Minnesota	Feed	F.H.	28870	4530	13740	10600				12.2	17.3					29.5							
	60	3-2	45	IWS160	Taber Bros. Great Falls, Montana	Empty	F.H.	31350	8470	6290	6290	5360	4940			16.6	4.0	14.5	20.5			55.6						
	2S2	International	47	KPR12L	Getter Trucking Co. Cut Bank, Montana	Empty	F.H.	27610	6800	10790	4820	5200				15.9	21.4	4.0				41.3						
	3S2	G. M. C.	49	ADCW 954	Great Northern R.R. Great Falls, Montana	Frt.	F.H.	47060	7710	10900	11450	8640	8360			16.6	4.4	21.9	4.4			47.3						
	2S1	Dodge	47	WKA-66	Salansky Bros. Conrad, Montana	Frt.	F.H.	33100	5080	15520	12500					11.9	16.6					28.5						
	2S2	International	47	KPR12L	Devine-Asseltine Great Falls, Montana	Frt.	F.H.	39210	7110	18170	6290	7640				13.5	13.4	4.2				31.1	0.9					
	3-2	Sterling	45	IWS160L	Taber Bros. Great Falls, Montana	Gas	F.H.	69840	8240	11270	13680	16930	16720			16.6	4.0	14.5	20.5			55.6						
	3-3	Freightliner	49	A	Con. Freight Lines Portland, Oregon	Frt.	F.H.	34810	7630	5580	6990	5710	5180	3720		13.6	4.4	13.4	18.0	4.4		53.8						
	2S1	White	47	- - -	Safeway Stores Butte, Montana	Gro.	Pri.	33310	5870	15990	11450					12.2	18.0					30.2						
	2S1	International	44	KS7	77 Oil Co. Cut Bank, Montana	Gas	Pri.	30390	4800	13300	12290					13.7	23.5					37.2						
	3-2	G. M. C.	41	CKW	Robert Morris Malta, Montana	Posts	Pri.	57380	5920	11110	11040	13900	15410			15.4	3.8	13.2	20.0			52.4						
	2S1	International	47	BB8L	Nash-Finch Co. Great Falls, Montana	Frt.	F.H.	28720	5630	11760	8330					13.6	13.3					26.9						
	2S1	International	47	- - -	77 Oil Co. Cut Bank, Montana	Oil	F.H.	30770	4630	14050	12090					13.2	14.0					27.2						





